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When they arrived, the young KING was sitting on his throne and holding a stick in his hands.

"Do you know what this is? Or can you guess what I am supposed to do with it?" The KING asked.

Although the tutor figured out what he was talking about, said: yes I do but I don't know what you're supposed to do with it, but if I were you, I would keep it always in front of my eyes.

Why should I put something that used to make me suffer in front of my eyes? The KING asked.

Look at these beautiful smelly cherries. If the trees hadn't tolerated the cold in winter & the heat in summer, these cherries wouldn't grow, just like you my lord. Without that hard work you wouldn't be this much prepared & suit for this lordship.

The tutor's speech affected the KING & he regretted from his anger & send the tutor back to home. This is the story behind a Persian proverb. Apparently all the proverbs have a story behind but the point is that we have a story in English which it's conclusion & lesson we get is exactly the same.

Proverbs have lasted for thousands of years & they are a way of proving the common sense of human beings. I reckon that these proverbs bind cultures & humans together.

The proverbs are just summed up sentences of an experience to be quoted in aptly situations so that others can draw a conclusion about the situation. So, let's don't think that the proverbs are traditional & superstitions, let's get their point & use it in our life

Once upon a time, a prince grew up to the age of studying. His father - the KING - had an admirable tutor teach to the prince. The tutor was so strict and never paid attention that he was a prince. The prince had to do a lot of homework in order not to be penalized as his tutor always got the feedback.

Every time that the prince could not answer the questions, he had corporal punishment by means of a stick from a cherry tree.

The prince could not get used to it and complained to the KING for a couple of times but it did not work out because his father believed that without hard work, he would not be able to rule the kingdom after him.

In those days that the prince was under pressure, he learnt so many things and got mature enough so did not need his tutor anymore. He was escorted to the commanders to learn archery and warfare.

The good behavior that the commanders showed up to the prince reminded his punishments and he was still revengeful.

After some years the KING passed away and the prince sat on the King's throne. One day the young KING was walking in the garden that he saw the cherry tree and became angry. He sent someone to bring the tutor. The tutor was being taken to the castle but as he knew about what he was supposed to face with, he stopped to buy some fresh cherries



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Nearly 800 to 1050, for three centuries, Viking fighters, with their long and shiny ships, feared Europe. They went to Scandinavia to search for wire, slaves, and land on the sea. Some of them attacked Britain and France, and others went to Russia and the far-off rivers of Asia. The Vikings were courageous seekers. They traveled through the Atlantic Ocean's raging waves, found Iceland and Greenland, and stepped into North America.

Vikings over the course of history

In Norway, Viking refers to people who lived in the early Middle Ages in countries like Norway, Denmark and Sweden, so the name of the Viking has shone on today's people in a way that has caused them to be embarrassed, because many years ago The Viking word was given to Cham (meaning) by a pirate, and was given to a group of people who had flooded Europe in the ninth century.

Although the Vikings of the Middle Ages have nothing to do with the Vikings of the Nineteenth Century, many films, cartoons and stories from these people are still being displayed in a sinister way.

European and Russian archaeologist studies clearly show that this was not the case. For many Vikings, the path to life is not only robbery and robbery, but also through ways such as farming and fishing. An examination of the tools archaeologists have found that they used sickle, fishing lances, shovels, etc. in their everyday lives, all of which were agricultural tools, and when combined with other historical evidence, it is well clear It turns out that the Vikings were farmers and advanced fishermen.

They were using the Scandinavian forests, built their large and humble ships and, with the help of them, they traded with neighboring countries or other European countries and parts of Asia.

The Vikings had special ability to tool with iron and the ability to use it to create tools for work and battle. They made jewelry with European jewelery by trading them.

The Vikings were tourists and explorers. Their ships, which were more like narrow boats, had the ability to tolerate in the worst climates of the sea, the rain and the storm.

By the end of the first millennium, they were able to go to northern parts of the United States and stay there. In other words, nearly 500 years before Christopher Columbus arrived in 1492

The Vikings were very rigorous believers in their religion, but not like that in Rome or Greece. Their great weakness was the inability to read and write, which made our knowledge of this descent before the thirteenth century be in the size of story and legend.







VEGETABLE

Tempura is always a favorite in Japanese restaurants, but why not make it at home in your own kitchen?!

Ingredients:







1 sweet potato



1 onion



100gr green beans



100gr mushrooms

Also you need vegetable oil for deep frying and You can use any other kind of vegetables

Ingredients for batter:



450ml chilled water



2egg yolks



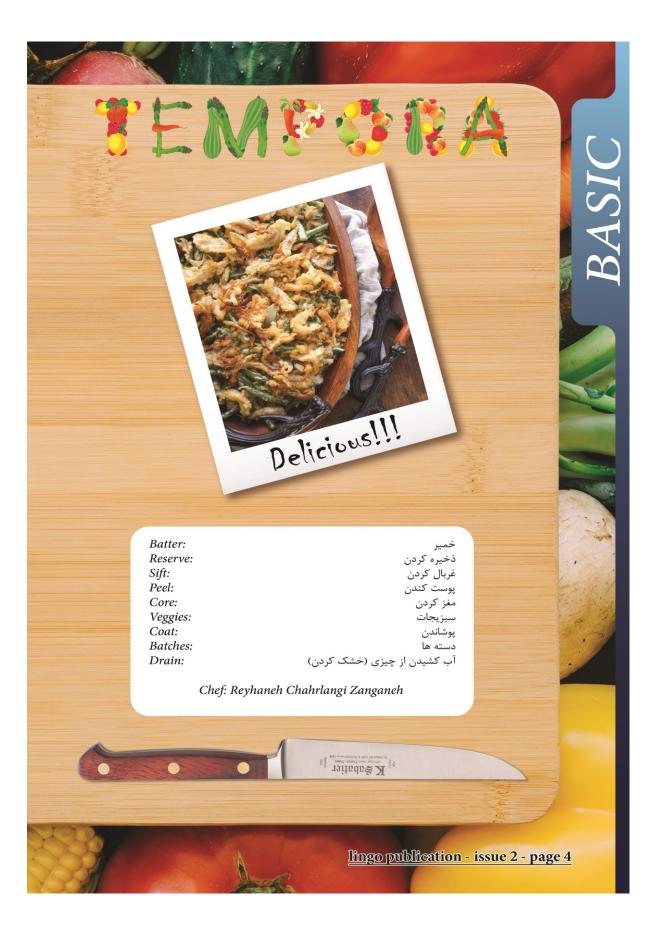
200gr plain flour

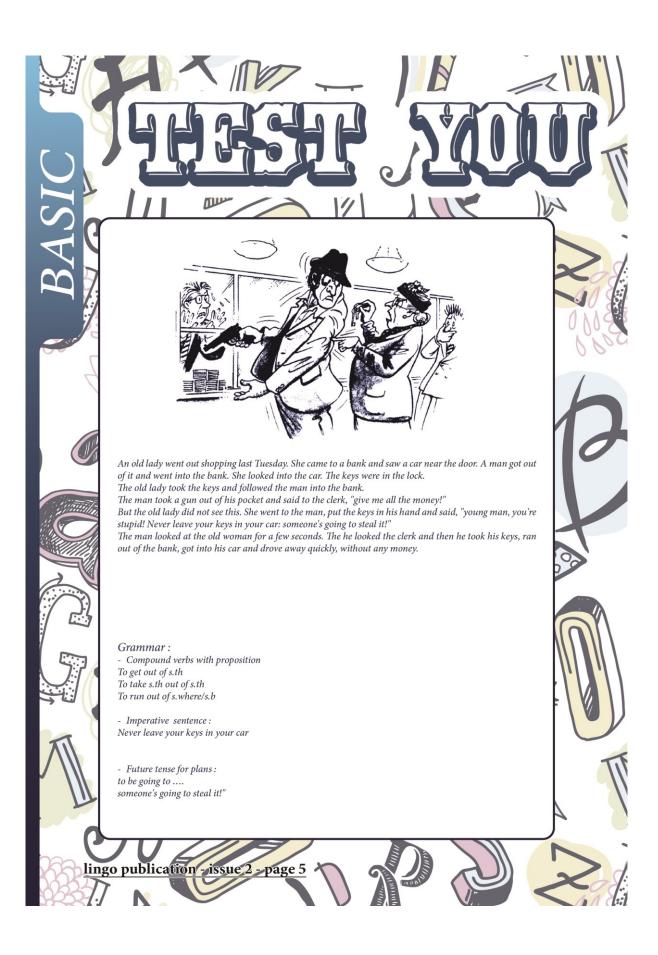
Instructions:

For the batter, separate the eggs, reserve egg whites for another use, whisk together egg yolks and water

Sift the flour, then mix them until they just combined.

Peel the sweet potato, Core the pepper, Peel the onion, Slice the veggies, coat the veggies in the batter, fry in hot oil in batches until golden brown, drain on kitchen paper, now it's ready to eat. enjoy the food







Vocabulary:

stupid: silly, not intelligent quickly: as fast as possible, rapidly clerk: a person in an office or bank

steal: rol

lock: a metal thing that keeps a door closed

A. Which of these sentences are true (T) and which are false (F)? write T or F in the boxes.

- 1-An old lady went to the bank last Tuesday
- 2-A man left his keys in the lock of his car
- 3-Someone stole the man's car
- 4-The old lady gave the keys to the man
- 5-The bank clerk gave the man some money
- 6-When the man went away, he did not take any money.

B.answer these questions.

- 1-where did the man go when he got out of his car?
- 2-What did the old lady see in the car?
- 3-What did she do then?
- 4-What did the man do in the bank?
- 5-Did the man steal any money from the bank?

C.Put one word in each blank.

- 1-The lady was not She was old.
- 2-The man did not His keys out of the lock: he left them in it.
- 3-He did not want of money: he wanted all of it.
- 4-He was not he was stupid.

Hossein Chehreh - 5th semester of radiology Mohaddeseh Taherpoor - 3rd semester of radiology



Medusa was a monster, one of the Gorgon sisters and daughter of Phorkys and Keto, the children of Gaea (Earth) and Oceanus (Ocean). She was an ugly woman with snakes instead of hair; anyone who looked directly at her eyes immediately turned to stone.

She was originally a golden-haired, fair maiden, who, as a priestess of Athena, was devoted to a life of celibacy; however, after being wooed by Poseidon and falling for him, she forgot her vows and married him. For this offence, she was punished by the goddess in a most terrible manner.

Her wavy beautiful hair that was charming for her husband changed into a venomous snake; ; her once gentle, love-inspiring eyes turned into blood-shot, blood-shot, furious orbs, which excited fear and disgust in the mind of the onlooker; whilst her former roseate hueand milk-white skin assumed a loathsome greenish tinge.

Seeing herself transformed into such a repulsive creature, Medusa fled her home and never returned. In her despair, she fled to Africa, young snakes dropped from her hair; that is how, according to the ancient Greeks, Africa became a hotbed of venomous reptiles. With the curse of Athena upon her, she turned into stone whomever she gazed upon, till at last, after a life of nameless misery, deliverance came to her in the shape of death, at the hands of Perseus.

Morteza Shahsavari 3rd semester of nursing



Learning English is a big problem for most of people; but there are some ways helping you improve your English skills.
English learning is divided to some Fields such as speaking, comprehension, pronunciation, vocabulary, listening and writing.
Unfortunately, most of people believe that learning some words and improving vocabulary skill is enough and it's not important to work on other fields of English learning

In this part I want to introduce you three websites that teach you English and you can improve your skills.

Speaking improvement with SPEAKING24.com

Speaking skill is one of the most important skills. There are many ways to improve your speaking ability but speaking24 improves your listening and speaking skills more than usual ways. Like most of Iranian people trying to improve their English, there are millions of people around the world trying to speak English easily and some of them use speaking24. This website takes some information about your English level and present a list of people who are trying to learn English just like уои.

 $MORNINGSHORT.com\ will\ improve\ your\ comprehension\ skill$

There are some websites like morningshort that mails daily English stories to their members. Your English domination in every level will be improved by reading and listening to English stories. Morningshort mails the podcasts of the stories so you can listen to them if you are working or driving.

Some benefits of listening and reading English stories:

- Helps you learn more new vocabulary
- Helps you develop the habit of thinking in English
- Improves your memory
- Improves your writing skills

Check your pronunciation with FORVO.com

Maybe in some cases you have wondered the correct pronunciation of words. One of the solutions for this problem is using Babylon service or Google Translate but there's a problem with these solutions; These services are robotic but Forvo uses real voices recorded before these so pronunciations are closesr to real English speaking.

Forvo website can help you improve your pronunciation skills in most of the languages.

It's interesting to know that some Iranian users have recorded some Persian words! Thus this website supports Persian language too.



THE KID HUNTER

MAHSHIDEEALIPOOREEKHOEINI 5THESEMESTEREOFERADIOLOGY

The story begins whereas a photoshop competition had been held with the subject of a fictional man, named "slender man". Thereupon it was a legend at first; however after a while they got that it was a long story. Several pictures had been sent to the competition but after accurate studies they got that the pictures are real and overruled them. Afterwards the scrutiny accomplished and they realized not only the pictures are not unreal, but also everyone who was present in the picture, heinously had been murdered or vanished.

Decades ago "Erick Jason" bought a home among the forest. Erick and his wife were so glad but someday Erick's wife skedaddled and told a passerby "my husband, Erick is a psychopath." The day after that Erick, his wife and even the passerby were deceased. Some people accredit slender man is Erick's soul!

Slender man is a tall skinny man in a suit whose face contains no organs. However a real body can't survive without vitals such as nose and mouth, I think because of lack of the respiratory tract slender man is a fictional character.

South-western closed available cameras in berlin's streets indicated 18 kids had scramed to the forest; none of them had come back home and they found out they have been killed without firearms or sharp weapons. In fact people who had been sacrificed by the power of arm. Most of the casualties had been cut from the middle half and the impression of a filamentary arm had been demonstrated on the victim's throat.

As a concurrent point slender man had been presented in at least one of the victim's pictures; it had not been at the time the pictures had been taken. Overhanging the corpus delicties from the highest bough of a tree is a considerable highlight of these slaughters.

In 1998 a friendly group went to the intended

forest and upon taking a picture, they discovered a man in a suit in the picture. Thereafter they intended to runaway but one of them sprintedamong the trees. Afterward his scrappy cadaver had been found in branches of a tree.

Two teenagers "Morgan Geyser" and "Anissa Weier" due to inspiration of slender man legend, made effort to kill their classmate by knife hits. They victimized their friend to give pleasure to slender man. These teen girls did it to be slave girls in slender man's emirate. The police had detected the stabbing 12 year old girl and captured the delinquent teenagers in the forest wherethe crime had happened.

The letter of a 21 year old victim, prior to the death:

"His lengthy hands makes us calm. He loves us. He doesn't have face but you can see his smile. He doesn't like us to look at him. He has so many hands on his back. I lost my doll 13 years ago and he gave it back to me; actually it was in his stomach. My friends and I are going to the funfair and after that I don't know what will be going on!" And in the end it is said if you follow the slender man stories and be curious about him, he just follows you back! So...How do you know? Maybe you are the next. I offer you to check your last picture. Isn't he just behind you?

1.	Thereupon	بنابراين
2.	It is a long story	این داستان سر دراز دارد
3.	Overrule	رد کردن، کنار گذاشتن
4.	Scrutiny	بررسى دقيق
5.	Heinously	به طور فجیع
6.	Vanish	ناپدید شدن
7.	Skedaddle	فرار کردن
8.	Closed camera	دوربين مداربسته
9.	Scram	گریختن
10.	Firearm	سلاح گرم
11.	To fall a victim to	قربانی شدن
12.	Corpus delicti	جسد مقتول
	Bough	شاخه درخت
	Slaughter	قتل فجيع
15.	Sprint	به سرعت دویدن
16.	Scrappy	تکه تکه
<i>17</i> .	Cadaver	جسد
18.	Inspiration	الهام شدن
	Give pleasure to	راضی کردن،خوشحال کردن
	Slave-girl	كنيز
21.	Emirate	امارت،فرمانروایی
22.	Stabbing	چاقو خورده
	Capture	دستگیر کردن با مهارت و زور
24.	Delinquent	خطاكار،مقصر

شهربازي

25. funfair



wealthy.

should

401 CE.





ZUN ZENIEZIED OL MIEDIGUI TUBORULORIA ZGIENGES ZNUAUN AUIEN

There is a group of brave sailors on a ship. There are less than 100 sailors in this group.

Sailors sleep in a three-story berth.

Every story has double capacity beside previous story.

Sailors always work in fivesome groups.

12 sailors sank in a violent storm and more than two thirds of sailors survived from storm.

According to passage how many brave sailors are still alive?

A) 36 B) 58

C) 62

D) 74

Previous riddle's answer:

statement B was correct: Blue shoes and red socks

welcome to

Ali Nouhi - 3rd semester of nursing

Zanjan province is one of the 31 provinces of Iran . Its capital is Zanjan city . Zanjan province has a rural population according to the statics, Zanjan is the happiest province in Iran.

Agriculture is the main job and ptoducts include rice, corn, oil seeds, fruits and potatoes Poultry , cattle and shepp are raised .

Zanjan is known for its beautiful handcrafts such as knives, traditional sandals called "Charoogh" and also Malileh (which is made with silver wires). in ancient times Zanjan was known for its stainless and sharp knives .

Zanjan has a highland climate, characterized by cold snowy weather in the mountains and moderate climate in the plains.

Azeris are the main ethnic group in the province followed by Tats . cities and villages in southwest of Zanjan province have kurdish population . Like every other parts of Iran the lingua franka is persian .

Zanjan traditional foods are Jaghurbaghor and Ash-e torsh



(Katalekhor) is a cave located in Zanjan province. its situated 120 km south of Zanjan city the name "Katale khor" means ((mount of the son)). Its belived that the cave is connected to Alisadr cave in Hamedan.





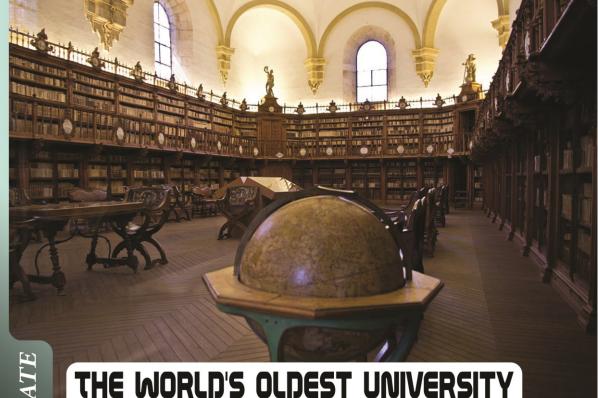
Historical Edifice of (Rakhtshooy Khaneh) which it means wash house, lies at the historical texture of the Zanjan city and it was built nearly 20th century. this place was used for washing clothes by women around the city.

(soltaniyeh dome)

Soltaniyeh was built as the capital of Mongol Ilkhanid rulers of Iran in the 14th century.

Oljaitu intended Soltaniyeh to be "the largest and most magnificent city in the world" but that it "died with him".





IN GUINESS WORLD RECORDS

Faeze Aliakbari - 7th semester of occupational health engineering

The oldest, the most exciting, and continually operating educational institution in the world is the University of Karueein, founded in 859 AD in Fez, Morocco. The University of Bologna, Italy, was founded in 1088 and is the oldest one in Europe.

The University of Al-Karaouine, also written as al-Quaraouiyine and al-Qarawiyyin (in Arabic: جامعة القرويين), is considered by the Guinness World Records as well as UNESCO as the oldest continuously operating, degree-granting university in the world. You'll find it tucked within the winding alleyways of Fes el-Bali, Morocco, one of the world's most ancient living cities.

Wandering around Al-Karaouine today, you can admire the institution's simple the only beautifully designed, decorated with Andalusian art bordered with Kufic calligraphy. the library of the university) is home to numbers of precious manuscripts including historic copies of the Ou'ran.

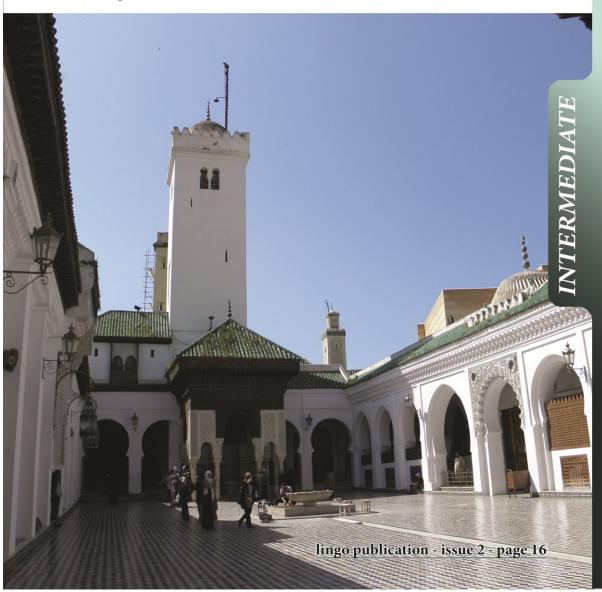
Interestingly, though students at the university must be both Muslim and male to attend, the original establishment was founded in 859 by a woman named Fatima al-Fihri. Al-Fihri migrated with her family from the Tunisian city of Kairouan (the namesake of the mosque and university) to Fes, Morocco. She proceeded to spend all of her family inheritance on constructing a mosque for her community with an associated school, known as a madrasa. The mosque was the initial focal point; with enough room for 22,000 worshipers, it remains the largest in Africa.

Over the centuries, the University of Al-Karaouine became a key spiritual and educational center in the Muslim world. In the beginning, the madrasa focused on religious instruction and Qu'ran memorization, but later expanded into Arabic grammar, music, Sufism, medicine, and astronomy. However, it was not until 1947 that the school was integrated into the state education system; in 1957 physics, chemistry, and foreign languages were introduced; in 1963 it joined the modern state university system; and in 1965 it was officially renamed "University of al-Karaouine" rather than simply "al-Karaouine." The school's student body shrank dramatically in the early 1900s when elites began sending their children to the new Western-style institutes in Morocco

the most part of the university is still highly traditional, from the student demographics to the style of instruction. Students, who range between the ages of 13 and 30, seat themselves in semi-circles (halqa) around a sheik when reading texts. They can work towards high school-level diplomas or university degrees, and before they arrive at Al-Karaouine, they must have memorized the entire Qu'ran as well as several shorter texts. Students come from different parts of Morocco and Islamic West Africa, and even Muslim Central Asia. The University of Al-Karaouine reminds us that it is not Oxford or Cambridge that first set the stage for university learning, but a mosque's madrasa that, over 1,000 years ago, set those gears in motion.

calligraphy: خوش نویسی ،خطاطی

precious: شیر ارزش گرانبها،نفیس ،پر ارزش میر ارزش استخطا، کتاب خطی ،نسخه خطی ،نوشته استخطا، کتاب خطی ،نسخه خطی ،نوشته میراث میراث





The Olympic Games originated long ago in ancient Greece. The ancient Games included running, long jump, shot put, javelin, boxing and equestrian events. the exact time when the games were first held and the circumstances which led to their creation, are uncertain.

We do know, however, that the Games were a direct outgrowth of the values and beliefs of Greek society. The Greeks idealized physical fitness and mental discipline, and they believed that excellence in those areas honored Zeus, the greatest of all their gods.

One legend about the origin of the Olympic Games revolves around Zeus. It was said Zeus once fought his father, Kronos, for control of the world. They battled atop a mountain that overlooked a valley in southwestern Greece.

After Zeus defeated his father, a temple and immense statue were built in the valley below to honor him. This valley was called Olympia, and soon religious festivals developed there as people came to worship Zeus and also to approach as nearly as possible his great strength.

It is believed that these religious festivals eventually led to the famed Games of the Olympics. Although we do not know just when the Games were first played, the earliest recorded Olympic competition occurred in 776 B.C

. It had only one event, the one-stade (approximately -630foot or -192meter) race, which was won by a cook named Coroebus.

This was the start of the first Olympiad, the four-year period by which the Greeks recorded their history. Athletic competition became so important to the Greeks that the Olympic festivals had a peaceful influence on the warlike city-states.

Sparta was famous for the strict military training of its citizens. But it would wait until the Games were over before sending fighters into battle. Other cities followed this example.

For the first 13 Olympic Games, the only event was

the one-stade run. But over the years, new sports were added to the Games. The pentathlon, in which the athletes competed in five events (jumping, javelin, sprint, discussion and wrestling were added to the Games in 708 B.C.

The pancration was introduced in 648 B.C. This brutal sport had no rules and it included boxing and wrestling. A winner was named only when one man raised his hand in defeat or lay unconscious on the ground. In addition to the pre-existing religious shrines and altars, a vast complex of buildings and structures was constructed at Olympia to accommodate the growing number of sports and athletes. Chariot races, first run in 680 B.C., were held in the hippodrome.

Boxers and wrestlers trained in the Palaestra, which was adjacent to the gymnasium. The Leonidaion housed the athletes. Generally, only freeborn men and boys could take part in the Olympic Games (servants and slaves were allowed to participate only in the horse races). Women were forbidden, on penalty of death, even to see the Games.

In 396 B.C., however, a woman from Rhodes successfully defied the death penalty. When her husband died, she continued the training of their son, a boxer. She attended the Games disguised as a man and was not recognized until she shouted with joy over her son's victory.

Her life was spared because of the special circumstances and the fact that her father and brothers had been Olympians. At first, the Games were strictly for Greek citizens. Eventually, however, athletes from all over the Roman Empire (which covered the entire Mediterranean region) were permitted to participate.

All athletes were required to take an oath that they would observe all the rules and standards. In spite of the luxurious facilities offered to athletes, all had to remain amateurs.

That

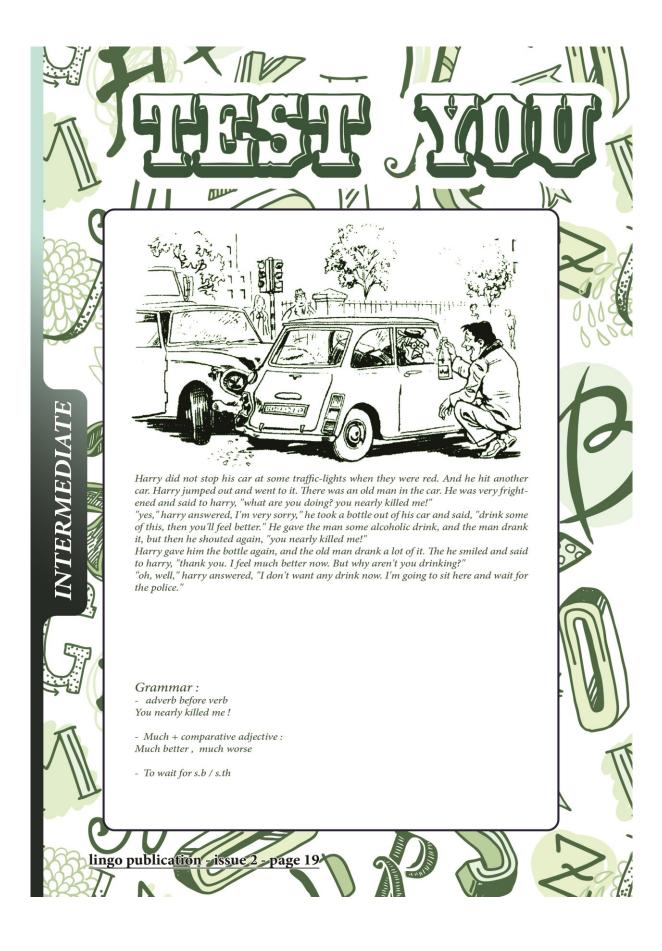
is, they had to pay their own expenses, and they could receive no monetary awards. Winners of the Games were crowned with wreaths of olive leaves and hailed as heroes. They were showered with material gifts, and sometimes a special entrance was cut in the wall surrounding their home city just for them to pass through. Perhaps the greatest athlete of the ancient Games was Milo of Croton, a wrestler who lived in the 500's B.C. He won the wrestling crown six times, and he was said to be so powerful that he could carry a full-grown bull on his shoulders. The ancient Olympic Games also honored, and inspired, artists.

The poet Pindar wrote many odes in praise of the Games' winners. The Olympic buildings were prime examples of the beauty of Greek architecture, and the remains of Zeus' great statue bear the signature of the famous Athenian sculptor and architect Phidias. Like the athletic champions, artistic champions were awarded olive wreaths and great acclaim.

The Decline of the Games

After Rome conquered Greece in the 100's B.C., Olympic standards began to decline. Competition for the common good was ignored by the glory hunters, who were willing to use any trick or deceit to win. For instance, in A.D. 67 the emperor Nero brought his own cheering section and competed in events himself. Even though he fell from his chariot during the race, he was named the champion. In A.D. 394 the Roman emperor Theodosius I, a Christian who considered the Games a pagan festival, ordered them stopped. Olympia then began to crumble. The great statue of Zeus was taken away to Constantinople, where it was destroyed in a fire. In 426, Roman emperor Theodosius II ordered all the temples destroyed. Earthquakes later helped finish what human hands had started, as well as flooding caused by a change in the course of the river that flowed through Olympia. The once-great city was eventually buried. In 1829, German archaeologists began uncovering Olympia. Today, the site of the ancient Olympic Games is only a shadow of its former glory. Many of the building foundations remain, but few walls and pillars still stand, and the stadium where footraces were held long ago is now just a broad stretch of barren

shot out	پرتاب وزنه	take an oat	فول دادن h
javelin	پرتاب نیزه	amateur	غیرحرفه ای
equestrian	اسب دوانی	monetary	مالى
legend	افسانه	crowne	ناج کوچک - پیشانی بند
temple	پرستشگاه	wreaths	ناج گل
warlike	جنگجو	hail	نشويق كردن
pentathlon	ورزش پنجگانه	sculptor	مجسمه ساز
sprint	دو سرعت	conquere	پیروزی - تسخیر
brutal	خشن	glory	شكوه
altars	قربانگاه	deceit	نقلب - حيله
hippodrome	میدان اسب دوانی	pillar	ستون
adjacent	نزدیک	chariot	رابه جنگی
disguise	تغییر چهره	pegan	فير مسيحى - بت پرست



Vocabulary : Hit : touch

Frightened: scared Nearly: almost, not quite

Shout :speak loudly

Bottle :tall round glass or plastic container for liquids

A. Which of these sentences are true (T) and which are false (F)? write T or F in the boxes

- -1 Harry hit an old man
- -2 Harry hit another car
- -3 The old man was very frightened-4 Harry gave the old man some water
- -5 The old man drank a lot of that drink
- -6 Harry did not drink any drink.

B.which of the two sentences describes the picture? a of b?

{here we'll have the picture}

a. Two of the lights are broken

b. One of the lights is broken

a. The bottle is round b. The bottle is square

a. The sun is shining

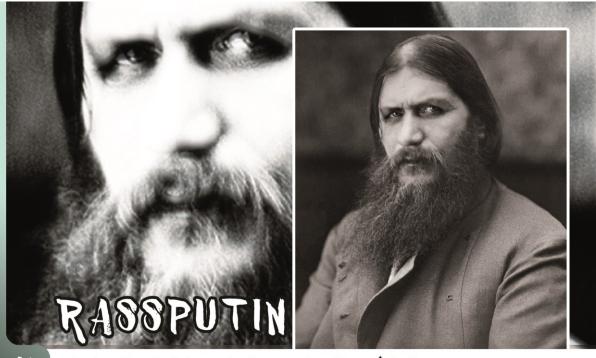
b. It is cloudy

a. The old man is angry

b. The old man is smiling

Hossein Chehre - 5th semester of radiology Mohaddeseh Taherpoor - 3rd semester of radiology

lingo publication - issue 2



HOLLY OR DEVIL?

Fatemeh Amiri samani - 3rd semester of medical laboratory sciences

Who is Rassputin? Healing or capricious? Holly or Devil?

At first sight when we look at his face we know that he had absorbent eyes and he had flaming glow in it. Grigori Rassputin was born into a peasant family in Siberian village .He received little schooling and perhaps never learned to read and write. After failing to become monk he became wanderer and finally entered the court of Czar Nicholas as a monk because of his healing abilities. Because of his supernatural abilities he became a favorite of the Nicholas's wife who was seeking help for their patient son Alexis who was suffering from Hemophilia. Rassputin cured their son also as Russia entered world war1, he predicted that calamity would befall the country and his prediction came true .After these events he became an important man in the court and it was clear that he had a lot of ene-

Did he hypnotize the Czar? No doubt that he had a lot of hidden charms but the real truth about him is mysterious. You know although he was a healing man he was a capricious. The strangest thing about him is his death.

On night of December 1916,29, a group of conspirators in the court invited him to their palace and put some poison into his wine. He drank it all and he said "I feel fine". The poison seemed to have no effect on him .Finally they shot him multiple times and thrown him into the Neva River where it was discovered three days later. Subsequently, Czar's wife buried his body but after the February Revolution a group of workers uncovered the remains and burned them. As the body was being burned Rassputin appeared to sit up in the fire.

Shortly before his death, he wrote a letter for Nicholas that if he were killed by government officials the entire imperial family would be killed by the Russian people. His last prediction came true 15 months later. Mysteries surrounding Rassputin continue to live on long after his death. I believe that everyone in the world is unique but some people are so special.

healing absorbent peasant schooling monk wanderer conspirator subsequently capricous شفا دهنده گیرا - جاذب روستایی تحصیل راهب سرگردان - آوار خیانتکار سپس متعاقبا هوسباز

.Durante degli Alighieri also known as Dante, is the most famous Italian poet

according to ,1265 He was born in Florence on an uncertain date. Some people believe that he was born in "what he has written mysteriously in his famous book called "Divine Comedy".

His masterpiece called "Divine Comedy" is one of the best works in Italian language. The story of this book .describes a fictional journey to Hell, Purgatory, and Heaven

The Banquet, The New Life, Monarchia and On the Eloquence of Vernacular are his other mentionable

13th century when there was a great battle between two groups. He passed his childhood in the middle of the years old. Dante fell in love with Beatrice Porti- 10 Bella was Dante's mother who died when he was less than he com- 19 years old. Each day Dante loved her more than yesterday. When he was 9 nary when he was only posed his first poems describing his mistress and likened her to angels. Beatrice knew that Dante loved her; yet, she married to another man. This event broke Dante's heart as he mentioned this painful memory even

When Dante .24 at his end of life. Beatrice died when she was only his mistress died, he changed his poems' subjects and composed a lot of beautiful poems about her. Dante started political ac-He ac- .30 tivities when he was cepted some important political duties and convicted Pope in a lecture against him. After these activities, Pope took revenge and imprisoned him. He was expelled and from this date he wandered. He couldn't meet his wife and four children until his death; because his family weren't permitted to meet Dante. Finally his lifetime passed with living in other countries until he died in Raven-,1321 September na, Italy

> purgatory eloquence vernacular



REYHANEH GHAHRLANGI ZANGANEH – 3RD SEMESTER OF MEDICAL LAB SCIENCES

IN THE HISTORY OF IDENTIFYING SUPERNATURAL ISSUES, THERE IS A COUPLE WHO IS NOT COMPARABLE TO ANYONE ELSE. THEY SPENT ALL THEIR LIFE AND ENERGY ON IDENTIFYING AND INVESTI-GATING ISSUES RELATED TO THE SOUL AND SO MANY OTHER THINGS. THEIR NAMES ARE ED AND LORRAINE WARREN. ED WARREN WAS BORN ON SEPTEMBER 7,1927, AND DIED IN 2006 AT THE AGE OF 79.BUT LORRAINE IS STILL ALIVE AND IS ABOUT 90 YEARS OLD.

MANY OF TODAY'S FILMMAKING ISSUES ARE ALL THE RESULT OF THEIR WORK.

ALTHOUGH THEIR WORK HAS NOT BEEN VALUED UP TO NOW, BUT IT SEEMS THAT A GREAT DEAL OF THEORIES AND STORIES OF THIS COUPLE ARE REAL.

IN THE MID1960-S,THE COUPLE CLAIMED THAT THEY COULD SOLVE PROBLEMS THAT SCIENCE COULD NOT ANSWER.

AT THAT TIME, SOME OF THE CASES WHICH THEY WERE IN-VOLVED IN SOLVING THEM, WERE PUBLICLY DISPLAYED, AND GRADUALLY PEOPLE BECAME INTERESTED IN THIS COUPLE AND

THEY BECAME POPULAR AND FAMOUS PEOPLE. BOTH OF THEM WERE SKILLED WRITERS AND THEY HAVE RE-CORDED VERY INTERESTING CONTENTS FROM THEIR RECORDS THAT SOME OF THEM WERE PUBLISHED IN THE FORM OF A BOOK.

ONE OF THE MOST FAMOUS RECORDS OF THIS COUPLE IS THE AMITYVILLE HORROR HOUSE.

AMITY VILLE HORROR HOUSE.

IT'S ABOUT "DEFEO" FAMILY. RONALD JOSEPH DEFEO WAS CONVICTED FOR THE KILLINGS OF HIS FATHER, MOTHER, TWO
BROTHERS AND TWO SISTERS ON HOVEMBER 14:1974-ON
WEDNESDAY, HOVEMBER 13:1974-AROUND 6:30
PM.-23YEAR-OLD RONALD WENT TO ONE OF HIS FRIEND AND DE-CLARED YOU GOT TO HELP ME I THINK MY FATHER AND MOTHER ARE SHOT!

A SMALL GROUP OF PEOPLE WENT THERE AND FOUND THAT RON-ALD'S PARENTS WERE INDEED DEAD.

ALL OF THE VICTIMS HAD BEEN SHOT AROUND & O'CLOCK IN

THE MORNING OF THAT DAY.

THE VICTIMS WERE ALL FOUND LYING ON THEIR STOMACHS IN BED, BOTH OF THE PARENTS HAD BEEN SHOTTWICE WHILE ALL THE CHILDREN HAD BEEN KILLED WITH SINGLE SHOTS AT FIRST. RONALD SUGGESTED TO THE POLICE OFFICERS THAT THE KILL-INGS HAD BEEN CARRIED OUT BY A MAN NAMED LOUIS FALINI. BUT THE POLICE FOUND OUT THAT FALINI WAS OUT OF THE STATE AT THE TIME OF THE KILLINGS.

ED AND LORRAINE



网络阿拉伊阿拉

CHATHE NEXT DAY HE CONFESSED TO CARRYING OUT THE KILLING HIMSELF. HE CLAIMED THAT HE KILLED HIS FAMILY IN SELF
DEFENSE BECAUSE HE HEARD THEIR VOICES PLOTTING AGAINST
HIMD ALL OF HIS APPEALS AND REQUESTS TO THE PAROLES
BOARD TO DATE HAVE BEEN DENIED AND HE WAS SENTENCE TO
SIX CONCURRENT SENTENCES OF 25 YEARS TO LIFE. BUT THAT'S
NOT WHERE THE STORY ENDS... ON DEGEMBER 1975, 19 GEORGE
AND KATHY LUTZ ALONG WITH THEIR THREE CHILDREN MOVED
INTO THE AMITYVILLE HOUSE. WHEN GEORGE LEARNED THE HIS—
TORY OF THE HOME, HE INSISTED ON HAVING IT BLESSED. JUST
AS THE PRIEST STARTED BLESSING THE HOME, HE HEARD A
VOICE SAY "GET OUT." AND AS THE PRIEST LEFT. HE WARNED
THE LUTZES TO BE WARY OF THE SECOND FLOOR WHERE HE

hopes

HEARD THE VOICE. SOON CDD THINGS STARTED TO HAPPEN. GEORGELUTZ FOUND HIMSELF WAKING UP AT 3:15 IN THE MORN-ING EVERY DAY. HE LATER FOUND OUT THAT THIS WAS THE SAMETIME THAT RONALD DEFEO MURDERED HIS FAMILY. YOUNG-EST DAUGHTER BECAME FRIENDS WITH AN IMAGINARY PIG-LIKE CREATURE NAMED JOD!. GEORGE WAS TERRIFIED AND DECIDED TO BLESS THE HOUSE HIMSELF. WHEN HE WAS BLESSING THE SECOND FLOOR, ALL THE VOICES SCREAMED FOR HIM TO STOP. ON JANUARY 1976, 14 THE LUTZES FINALLY MOVED OUT OF THE HOME. THIS WAS THE STORY THAT HAPPENED TO THE AMITYVILLE HOUSE AND ITS ALL UPON YOU TO THINK THAT IT WAS JUST A HOAX OR SOMETHING DEMONIC!

EX ORCIST
PUBLICLY
CONVICT
DECLARE
CARRY OUT
PLOT
APPEAL
PAROLE
SENTENCE
CONCURRENT
WARY
HOAX

عمومی محکوم کردن انجام دادن دسیسه چیدن درخواست عفو مشروط محکوم کردن همزمان با احتیاط



Ancient Japan has made unique contributions to world culture which include the Shinto religion and its architecture, distinctive art objects such as haniwa figurines, the oldest pottery vessels in the world, the largest wooden buildings anywhere at their time of construction, and many literary classics including the world's first novel. Although Japan was significantly influenced by China and Korea, the islands were never subject to foreign political control and so were free to select those ideas which appealed to them, adapt them how they wished, and to continue with their indigenous cultural practices to create a unique approach to government, religion, and the arts.

Japan has had a tremulous history filled with wars, earthquakes, fires, tsunami, storms, crop failures and epidemics. Alongside this background of frequent tragedies, arose a unique and sophisticated culture.

Japanese civilization can be traced back to its first pottery that's about 16,000 years old. The major events of Japanese history number in the thousands. In this context, the following historical facts are mostly random but perhaps interesting nonetheless.

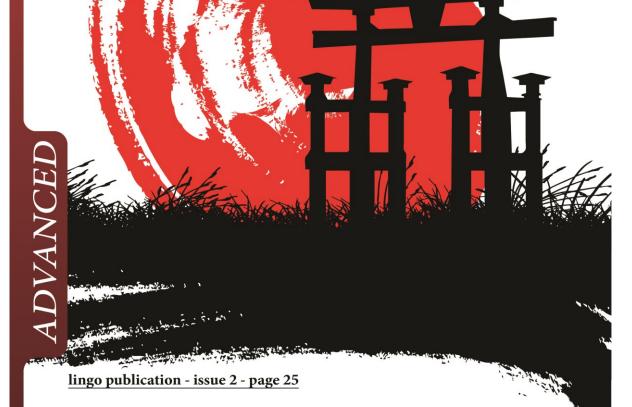
Language:

There is only one official language spoken in Japan, which is of course Japanese. However, many Japanese are able to understand English to a certain extent since English is the foreign language that everyone must learn as part of compulsory education.

Even if you don't understand Japanese, you can still certainly enjoy Japan. But if you know a few everyday Japanese phrases then it will make your trip even more memorable. A few words make a big difference.

Samurai and Bushido:

The samurai (also bushi) were a class of warriors which arose in the 10th century CE in medieval Japan and lasted until the 17th century CE. The type has been romanticised since the 18th century CE as the epitome of chivalry and honour. Whilst there are many examples of samurai displaying great loyalty to their masters, the reality is that warfare in medieval Japan was as bloody and uncompromising as it was in any other region. It is true that, from the 17th century CE, and no longer needed in a military eapacity, samurai often became important moral teachers and advisors within the community.





rai but it was only compiled in the late 17th century CE, by which time the samu-The bushido or shido, meaning the 'way of the longer active militarily but functioned more as moral guides and advisors. It is, therefore, difficult to ascertain the level of chivalry samurai actually practised throughout their history.

Japanese Food History:

The very earliest people who lived in Japan, start ing about 40,000 years ago, lived mainly on fish caught from the sea, though they sometimes hunted local deer or other animals for their meat and they collected plenty of nuts and pears, too, and ate lots of seaweed with their fish. They picked sudachi fruit (like limes) and squeezed the juice over their fish. They ate shellfish, and salmon. By around 14,000 BC, people in Japan began to ferment fish in clay pots, in order to preserve it as a sort of pickled fish sauce something like ketchup or kimchi. This was the world's first pottery.

By about 1500 BC, with better fishing techniques, people in Japan began to eat more deep sea fish, like tuna, which they considered a treat. A much bigger change in Japanese food came around 800 BC, when people visiting from China brought rice to Japan and showed Japanese farmers how to grow it. Ever since then, people in Japan have eaten mostly rice and fish and vegetables. These Chinese visitors also brought peaches and pigs to Japan, and people raised them, but pork never became as popular

Nobody knows exactly when tea first came from China to Japan, but certainly people in Japan were drinking tea by around 800 AD. Japanese people seem to have been eating chicken by that time, too. Although chicken never became very popular, eggs became a regular part of Japanese food, in the form of omelets, or mixed with rice noodles or in soup, or as a custard called chawanmushi. Other Chinese foods that came to Japan

in the Early Middle Ages include persimmons,

Some Japanese traditions:

Japan has hundreds of widely observed traditions associated with ceremonies, rituals, holidays, celebrations, business and life in general. Many are valued for making life more interesting. Others are associated with etiquette, politeness, religion or old superstitions.

The following represent some of Japan's most popular traditions.

1)sakura: Sakura season is everyone's favorite time of year in Japan. The exact dates of sakura blooms vary by as much as 10 days from one year to the next due to weather. Sakura season also varys by city and even by park because there are dozens of varieties of sakura tree that bloom in different conditions. Sakura trees are indigenous to Japan. By the 9th century (Heian period) sakura were the more popular choice for flower viewing. Sakura bloom in pleasant spring weather. Over the years, sakura trees have been selectively cultivated that are likely to bloom with the start of the

It didn't take long for Sakura viewing parties to trickle down from the Emperor to Japan's feudal lords. Even the Samurai got in the act.

2)Love Locks: Any spot in Japan that's considered romantic such as observation decks with a good view of a city are always busy with couples. One old tradition amongst couples is to write a message on a lock and leave it at a romantic spot. Typically, the couple then throws the key somewhere it can never be retrieved such as into the sea. Japan has dozens of love lock spots such as the Love Bell of Enoshima Island. In most locations, the tradition is encouraged by the attraction. It's very unusual for couples in Japan to leave behind a love lock without permission.

3)Floating Lanterns: The Japanese tradition of floating lanterns in rivers, known as Toro Nagashi is a ceremony that represents the journey

of souls to the afterlife. It's used to celebrate the Japanese Obon holiday, a time of year when it's believed that the spirits of loved ones return to the world. Toro Nagashi ceremonies are also used to commemorate tragic events such as the Atomic Bombing of Hiroshima.

4) Dondo Yaki:Dondo Yaki is the tradition of burning lucky items such as Omikuji at Shinto Shrines in January. It's considered bad form to throw luck items in the trash, instead they should be burned. Auspicious items sold by shrines are often decorated with the Japanese zodiac symbol of the current year and it's thought to be bad luck to hold on to them after the year ends.

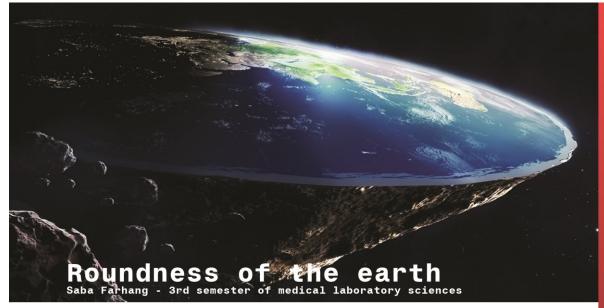
5) Bowing:Bowing is an important tradition in Japan that applies to a wide variety of situations from sports to weddings. They vary from slight bows when greeting a friend to a rare deep kowtow for a profound apology.

Contribution	مشاركت
Distinctive	متمايز
Indigenous	بومى
Tremulous	مرتعش، بيم ناک
Compulsory	اجبارى
Romanticised	خيالي
Medieval	قرون وسطى
Epitome	خلاصه
Chivalry	جوانمردي
Whilst	در حاليكه
Warfare	جنگ
Compiled	وارد شده، گردآوری شده
Uncompromising	غيرقابل انعطاف
Ascertain	معلوم
Ferment	ج وشاندن
Trickle	چکیدن
Retrived	بازیابی شده
Commemorate	بزر گداشت
Auspicious	فرخنده
Profound	عميق

Useful Japanese Phrases: Japanese < > English		
Ohayou gozaimasu	Good morning	
Kon'nichiwa	Good afternoon	
Kon'banwa	Good evening	
Oyasumi nasai	Good night	
Sayounara	Good-bye	
Sumimasen	Excuse me	
Gomen nasai	I am sorry	
Wakarimasen	I don't understand	
Arigatou	Thank you	
Hai	Yes	
Iie	No	
Doko desuka	Where is?	
Ikura desuka	How much is?	
Oishii	Delicious	
Tanoshii	Pleasing	







People used to have serious contradictions about the shape of the earth for centuries and most of them claimed that the earth was flat just like a tray. The roundness of the earth has been verified as a result of logical and mathematical explanations over the last centuries. After the development of technology it was also visually proven that the earth was round when men went to space and the moon. In fact the Quran refers to this fact miraculously centuries ago: "he created the heavens and the earth in true (proportions): he wraps the night up in the day, and wraps the day up in the night". [surah az_zumar5]

The Arabic word which is translated as To Wrap in the verse is 55 (kavura). This word comes from the same root as the word 56 (kura) which also exists in the Turkish language. In Arabic this verb is commonly used in order to express the action of wrapping turban around the head as well as wrapping an object around a spheric thing. This verb which is used for wrapping turban around a spheric thing like the head is also used in order to express wrapping the night up in the day. In the verse while it is expressed that the night is wrapped up in the day it is also expressed that the day is wrapped up in the night.

The reason for the formation of day and night is the spheric structure of the earth.

The mentioned action of this verse can only be actualized if and only if the earth has a spherical structure.

Another verse which refers to the spherical structure of the earth is as follows: "And after that he spread the earth." [surah an_naziat:30]

In this verse the word which is translated as spread is نصا (deha). The word أَحَا (deha) comes from the root of خُو (dahu) which means to spread. Although the word خَو (dahu) means to spared or to set out, this is not the prosaic action and terms of its meaning. This word is used to describe actions for setting

out and adjusting spherically.

The meaning of roundness also presents another words derived from ¿¿¿ (dahu). For example the word ¿¿ is also used to describe children dropping a ball into a hole in the ground, games involving throwing stones into holes and games played with walnuts.

Words derived from the root are also used for an ostrich to make a nest. To clean stones from the place where it is about to lie down, for the place where it lays his eggs and the egg itself.

Indeed the shape of the earth is rounded in a way that resembles an egg.

The flattened spherical shape of the earth is described as Geoid .In this regard the use of the word is (deha) in the verse contains important information about the earth given by Allah. It is understood from these explanations that the Quran informs us about the roundness of the earth. However the Quran does not clearly describe it but only indicates it so that centuries that could not understand the roundness of the earth will not suspect about the news of the Quran and depose it. Is it possible for the human being who does not know how to read or write to discover the roundness of the earth on his own 1400 years ago? Definitely not.

Then this news can not be the word of a human being. This news can only be the word of Allah who created the earth and gave the spheric shape to it. We believe in it.

Ostrich	شترمرغ
Contradiction	تناقض
Nest	لانه
Tray	سينى
Indicate	نشان دادن
Miraculous	معجزه آسا
Spheric	کروی

1. We can cure leukemia and lymphoma

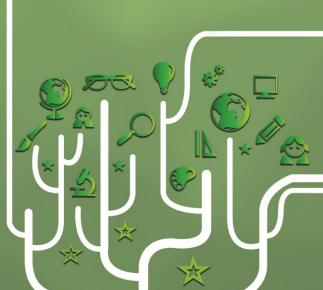
((CAR) T-cell Immunotherapies)

Now a days if you look upon the internet you will see news of the first cellular immunotherapies for leukemia and non-Hodgkin lymphomas is about to hit the market. Chimeric antigen receptor T-cell therapies are a type of immunotherapy where a patient's immune system T-cells are removed and genetically reprogrammed to seek and destroy tumor cells. Results have been impressive. Some studies focusing on acute lymphoblastic leukemia (ALL) have reported a remission rate of 90 percent. Cellular immunotherapy could one day replace chemotherapy and its lifetime of side effects.

2. fake Blood (synthetic blood)

From limbs to artificial hearts, pacemakers to ear implants, we've figured out how to replace most part of the human body. But until recently, blood was our limitation...and it was the thin edge between reality and fiction. But not anymore.

In 2017, England's National Health Service (NHS) will conduct early safety trials, in which about 20 people are given small amounts of synthetic blood made from stem cells. Now we can create red blood cells to treat specific conditions and illnesses, like sickle cell anemia. NHS scientists hope to make enough for transfusions for people with rarer blood types.



DVANCEI

NEW BREAKTHROUGH OF 2017

Sahar Serajian - 7th semester of medical laboratory sciences



3. Not only blood, we can make healthy pancreas!!

In 2016, the US Food and Drug Administration approved the world's first artificial pancreas. The device monitors blood sugar and supplies insulin automatically. It basically replicates what a healthy version of the organ does on its own; and it enables diabetes patients to live an easier life in a sustainable way. It is the biggest step towards a new are in diabetes management in years. In 2017, this new way of diabetes management will spread around; and it will become a life-changing milestone in many patients' lives when they first start to use

4.You can cry and we use it to measure your blood sugar

Google patented a digital contact lens that can measure blood glucose levels from tears. Google launched a partnership with the pharmaceutical company Novartis; and while there is rather silence around the state of the developments, there are rumors about it becoming available for trials in 2017.

Treatment for a Torn ACL 5.

Each year, emergency rooms in the United States and other countries see between 100,000 and 300,000 torn ACL's, The typical way to repair these injuries is to take tendons for another part of the body and repair the torn ACL. A woman named Martha Murray didn't understand this form of treatment, and she applied to medical school to find a better method. Finally, some years later, she did it. When you tear your ACL, the blood clots that should allow your ligaments to reconnect become dissolved in the fluid in the knee. Murray developed a scaffold that is sewn into the two torn end. This will keep the blood from being dissolved in the knee fluid. Within 8 weeks of the treatment, the torn ACL will be replaced by new tissue that grows on its own. This treatment method is much less invasive and it cuts the treatment time in half. It is expected that by the end of 2017, that most orthopedic surgeons will be using this method of treatment.

the device.

7. we can have an annual checkup for cancer

Tests known as "liquid biopsies" uncover signs of actual DNA, or cell-free circulating tumor DNA (ctDNA), which is shed from a tumor into the bloodstream. This ctDNA is more than 100 times more abundant in the blood than tumor cells. While there is long path, annual sales of this revolutionary cancer test are forecasted to be 10\$ billion. Several companies are developing testing kits to hit the market this year. Experts believe it's only a matter of time before catching and treating, cancer is as routine as an annual checkup.

6.you can beat High LDL Cholesterol with this medication

If you go to the doctor and each time find out your high level of cholesterol, you may not need to worry much longer. By 2017, the FDA is expected to approve two drugs called PCSK9 inhibitors. They have been proved to silence a cholesterol creating gene called PCSK9. The patients who have been involved in the study so far have had LDL levels that dropped by 50 percent. These medications can greatly reduce your risk of heart disease and heart attacks.

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MOHADDESEH KHODAVERDIAN - 3RD SEMESTER OF MEDICAL LABORATORY SCIENCES

Most of us have heard something about 12 gods of Olympus but there are few who know how these gods came to existance: according to traditions the first goddess who was created from nothingness was Gaia who is the personification of the earth and mother of all goddesses & gods. she created Uranus(the sky) from whose sexual union she bore titans. two of the titans were Cronus & Rhea who married each other and children were: Zeus, Hera, Poseidon, Hades, Hestia, Demeter, Chiron. Cronus devoured all of his children as soon as they were born to prevent a prophecy that said he was destined to be overcome by his own sons but when Zeus was born Rhea handed Cronus a stone wrapped in swaddling clothes which promptly swallowed, thinking that it was his son. when Zeus grew up, he entered the war with Cronus and other titans and he overthrew them after that he released his brothers & sisters from Cronus stomach then Zeus imprisoned his father somewhere named Tartarus after that Zeus and his brothers share the universe between themselves so Zeus rules the sky and earth, Poseidon rules the seas and Hades rules the dead world after that Zeus

married Hera. To prevent any revolt Zeus gave each of his children and other gods a job or a place so in this way 12 gods of Olympus came into existance.

Now it's time to know each of them better:

Zeus:

King of gods, ruler of mount Olympus and god of the sky, weather, thunder, lightning, low, order and justice. His sacred animals include the eagle and the bull.

God of seas, rivers, floods, droughts and earthquakes. His sacred animals include the horse and the dolphin .he has a trident used for fishing

God of music, arts, knowledge, healing, prophecy, poetry and archery. He is son of Zeus and Leto and the twin brother of Artemis. His most famous temple is in Delphi where he established his oracular shrine. His sacred animals include roe, deer, swan, python



Artemis:

Goddess of hunt, wilderness, animals, young girls, childbirth and plague, she is the daughter of Zeus and Leto and twin sister of Apollo. her sacred animal is deer.

Hermes:

God of boundaries, travel, communication, trade, language and writing. He is the son of Zeus and Maia, he is the messenger of the gods and a psycho pomp who leads the souls of the dead into the afterlife.

Aphrodite:

Goddess of beauty, love, desire and pleasure. She is daughter of Zeus and Dione, she was married to the Hephaestus but bore him no children, she had many lovers; most notably Ares.

Ares:

God of war, bloodshed and violence, he is son of Zeus and Hera, he was depicted as beardless youth, either nude with a helmet and spear or sword or as an armed warrior, he doesn't have any temples all around the Greece.

Athena

Goddess of reason, wisdom, intelligence, skill,

peace, battle strategy and handicrafts. According to most traditions she was born from Zeus's forehead, fully formed and armored, she is also known as the protector of the Athens, she was the first goddess who plant olive tree, her sacred animal is owl.

Hephaestus:

God of fire, metal working and crafts, according to most traditions he was born from Hera herself, he is also Aphrodite husband.

Hades:

God of the underworld and the dead, his consort is Persephone, his attributes are the drinking horn or cornucopia and the three-headed dog, his sacred animals include the screech owl, he spent most of his time in his own world

Hera:

Queen of gods and goddess of marriage, woman, childbirth, heirs, kings and empires, she is the wife and sister of Zeus, according to most traditions she was avenging Zeus and his lovers in most of her time.

Hestia:

Goddess of the hearth, home and chastity, she is older sister of Zeus, her symbols are the hearth and kettle.



ADVANCED



MohammadHossein Alamdar - 3rd semester of medical laboratory sciences Samaneh Shahmoradi - 3rd semester of Occupational health engineering

Thanks for choosing lingo to read.It is called crossword puzzle. Remember that our intention is just this hashtag:

#enjoy_now_learn_how

*Horizontal:

- 1) a person who study ancient civilizations by examining what remains of their buildings, graves, and so on. (n.)
- 2) traditional short story. (n.)
- 3) an instrument used for boring(n)
- 4) neuro narcotic. (n.)
- 5) old and no longer used. (n.)
- 6) a popular dance from cuba. (n.)
- 7) a mountain that is an active volcano on ross island in Antarctica. (n.)
- 8) a weapon with a long metal blade and a handle. (n.)

*Vertical:

- 1) an instrument for measuring hearing activities for pure tones of normally audible frequencies. (n.)
- 2) very unfriendly manner. (n.)
- 3) to collect something especially in large quantities. (v.)
- 4) not friendly toward other people. (adj.)
- 1 (5. One of the organizations responsible for controlling professional boxing. (n.)
 - 2. existence. (n.)



Intention: a plan or desire to do some thing

Ancient civilization: old society Neuro: relating to the nerves Narcotic: a type of drug which makes

you sleep and reduces pain

Weapon: something that you use to fight with or attack someone with

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 $\overline{ADVANCED}$

Ancient dental instruments

Mina Sa'aadati - 7th semester of surgical technology

What were dental instruments in ancient times like? Today's dental instruments such as: electric toothbrushes and too potent analgesic drugs for minimal oral and dental surgeries are new phenomena. What were doing the people before? In Hammurabi Sumerian law has mentioned twice that tooth's drilling has used as a retribution for lawbreakers. Like other medical disciplines/ dentistry has gone through the ups and downs way ever since.

1. Vaulted gimlet: In ancient India the first signs of dental care have been behold 7000 years B.C. Nonetheless instruments at that time were not being used simply for this purpose. For example vaulted gimlet was being used as an instrument for making fire or making a hole in stone or were being enumerated as an efficient instrument for making beads of stones for necklace and trinket and was being used as an alternative usage in person's mouth for making a tooth cavity to obviation dental caries and filling it in ancient India like today. As regards dental analgesia has been engendered in the middle of 18th century/ dental practice accompany possibly deep pain at that time.

2. Tooth Filling: Fillable materials is enumerating current segment of human dental cares in recent century. According to ancient Sumerian texts (5000 years B.C) was being imagined that caries by "tooth worm" was being created by worms because of caries's likeness to made cavity in vegetables and fruits. This belief imbued residue cultures like Egypt- Hellas and china too. Notwithstanding worms weren't the main cause of dental caries- this primary dentists were perforating tooth for finding worm and weren't subsequently finding sign of worm in person's teeth-were filling the hole for worm's come back again prevention with special material that were different in various places. Naturally they practice's pattern is similar to practice's stages of modern dentistry. Fillable materials dependence on usage place are various. Amerindian used to use a special compound include of iron and ropy cloth for dressing.

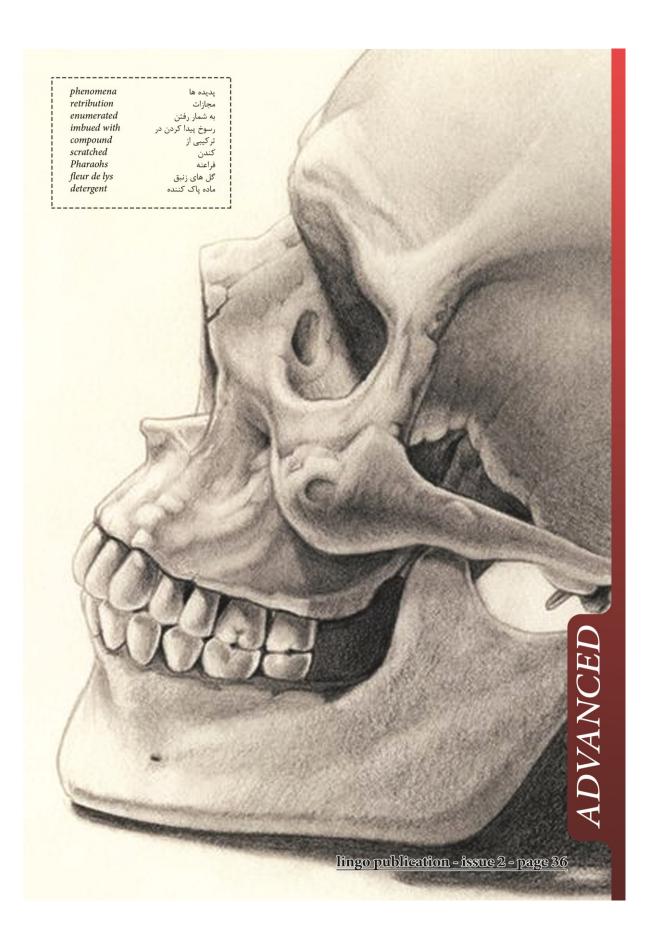
Chinese dentists were using Amalgam made of silver in 2th century that had remarkable likeness to today`s fillable material.

3. Do you like pull your tooth when cutting your hair? Dentistry is a new career and proficiency. Dental practice were performed by doctors or even barbers until 19th century in Europe. Most of the time all of barber's practice for dental treatment were being concluded to pull a tooth. It's strange with us to pulling a tooth and cutting hair simultaneously but they thought the sick feel less pain!

4. Dental bridges: Dental bridge is a method to filling vacant space between teeth with pontic. The oldest existence's signs of dental bridges belong to Atroskan civilization in 700 years B.C. Making pontic was weirdness at

that time- most of usage teeth for filling vacant space of teeth was being used dead persons. The Egyptians had great movements in this regard- too. Ancient Egyptians were using bridges as a lovely way to decoration their teeth by using golden wires like the current orthodontics. 5. Tooth pulling: Dental Pelican was a device that was made and named by the French physician "Guy de chauliac" in 14th century. This device which had been designed like a Pelican's beak was being used as an effective means to extracting teeth during the late 18th century. The next device was named "dental button" due to its similarity to the key. The dentist should was using it to spin the teeth like turning the key.

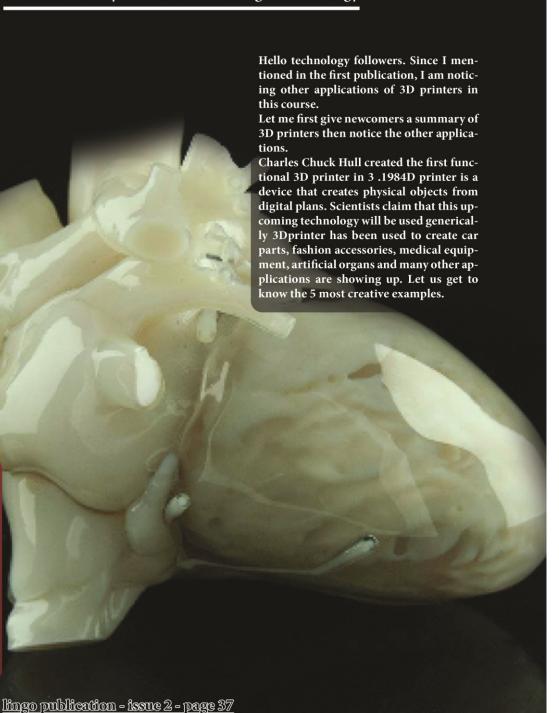
6. Health in dentistry: Dental care methods are very common today. The toothbrush the first known tool for this purpose is available worldwide at a cheap price. Even the simplest of them is made of a plastic bag made of nylon wool. The most ancient toothbrush found in Egypt is 3000 years B.C. The toothbrush was a piece of wood that has being scratched the skin of one side of it to be more flexible and softened. This model of toothbrush didn't look popular in other parts and it was ignored in the time of the first Pharaohs however Chinese idea became very commonplace and it became a pattern for creation of current toothbrushes. Chinese toothbrush handle was made of a bamboo tree branch and at the end of the handle was being placed the Siberian boar neck's hair. The popularity of wild boar's meat as a constant food in Europe led to the entry and success of these Chinese toothbrushes in Europe. After a while/ using the horse's hair became commonplace because of roughness of boar's hair among the rich. Valuable of European horses blazoned these toothbrushes very special. The first toothpaste belongs to Egyptians just like the toothbrush that it was dried powder containing mint- salt rock- pepper bits and dried fleur de lys. It was being became doughy as soon as it was being combined with salvia and was being led to the teeth clean and white. Greeks was using rough detergent like tiny bones and oyster's outer shell to more cleaning in their toothpastes whereas Romans were fond to additives like mint for a fresh and fragrant breath. Toothpaste's making instructions were issued throughout Asia and Europe in 18th century that were included of compounds like cinnamon- dragon's blood and alum.



3D Printers

Fereshteh Khodayi - 7th semester of surgical technology

 $\overline{ADVANCED}$



1. 3D printed organs

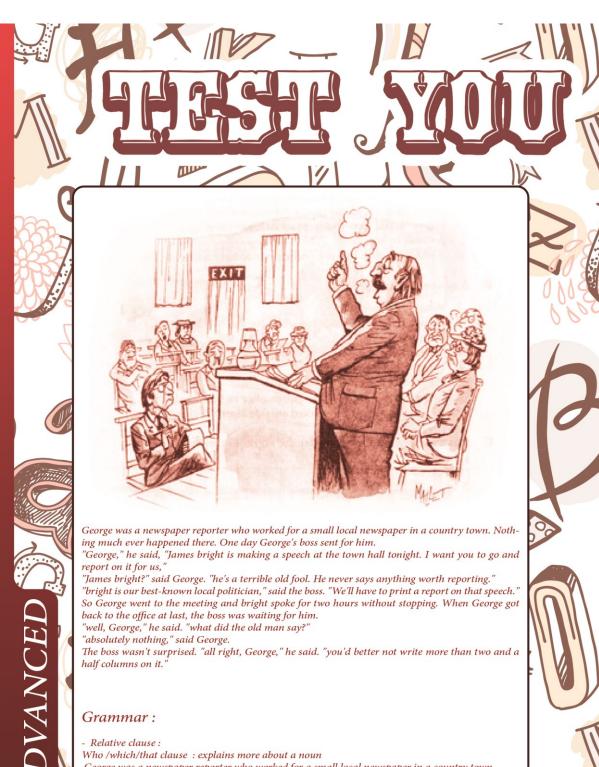
3D printing has been used to print organs from a patient's own cells; therefore patient will no longer have to wait a long time for donors in the future. Since you medical science students know "90 percent of kidney patients are in kidney transplant list" Dr. Atala have come up with a solution to this problem and it is employing 3D printer. Dr. Atala said they can reconstruct the entire volume of a kidney from the CT scan of patients. Therefore a polycaprolactone bioresorbable splint has been printed by using CT scan of the patient's trachea and then matching his windpipes; so the patient will no longer be needing a ventilator to breathe.

- 2. 3D printing in the aerospace industry aerospace organizations have saved billions of dollars by using 3D printing for building parts. NASA's rocket engine injectors made by 3D printer, generated 10 times more thrust (power of shooting the rocket) than any other injectors. NASA is also going to send a 3D printer into outer space as a "mini factory" at the international space station (ISS). If astronauts run out of tools, they would simply be able to print out more and no longer have to carry space parts for each mission.
- 3. 3D printing in the automotive industry 3D printer saves time required in prototyping the parts for the vehicle such as cylinder heads, brake rotors, shift knobs and vents. the built parts out of liquid resin are lighter weight so it gives an improved

fuel economy. Jim Kor and his team of engineers are building a whole vehicle with 3d printers called "the Urbee 2". The body of Urbee 2 will be mostly 3d printed; thus it's expected to use less energy than most other production cars.

- 4. 3D printed prosthetics
- -building durable "exoskeleton" using 3D printer for children.
- -building silicon foot created by 3D printer for a duck with left foot amputated and also printing out a silicon sock to attach the 3D printed foot to the body.
- -replacing the jaw of a 85 years old woman with a 3D printed model of her lower mandible. Doctors had to remove her jaw due to a severe infection. The researchers worked with an implant company to replace the jaw. The implant was put together by a 3D printer using powdered titanium through the laser melting process. In only one day after the surgery the woman could already speak and swallow normally.
- 5. as a way to help the senses
- -helping blind children to search the web using a machine called "hands on search". It's shaped like a cloud and combines voice recognition technology with Maker-Bot 3D printer o turn voice queries into physical objects.
- 3-D printed bionic ear: this device can hear better than what average human ears can detect and the purpose was to explore an efficient method of merging electronics with tissues.

Prototype: نمونه سازی اولیه سر سیلندر سر سیلندر (Cylinder head: اهرم یا دکمه های تغییر مسیر اهرم یا دکمه های تغییر مسیر صمغ کاج (Prosthetics: پروتز یا اعضای مصنوعی (MakerBot: makerbot is a company that manufacturers 3D painters.



- Relative clause:

Who /which/that clause: explains more about a noun

George was a newspaper reporter who worked for a small local newspaper in a country town. He works for a man who is very kind.

He studies at an university which is of high value among others.

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- Pattern:

Nothing much ever happened there (stands for : there was nothing much which could have ever happened there)

- Pattern: to make a speech to report on s.th

- adjective phrase:

- pattern

He never says anything worth reporting stands for: he never says anything which is worth reporting

superlative adj + p.p of the verb: best - known worst - understood oldest-built: example: this tower is the oldest-built among last ten years.

- proposition + verb ing: without speaking

- would:

Subject + would + better/rather + verb + you'd better(would better = would rather) not write more than two and a half columns on it.

Vocabulary:

Reporter: a person who writes in a newspaper Local: not special, ordinary Boss: head Speech: a talk giving to a group of people Terrible: s.th very bad happening awfully Worth: with the value of ... Fool: stupid, silly

Politician: a person who works in the government

Absolutely: completely

A. Which of these sentences are true (T) and which are false (F)? write T or F in the boxes.

- -1 George was a journalist
- -2 James bright was a reporter too
- -3 George did not have a high opinion of James bright
- -4 James bright spoke for a long time
- -5 George's boss told him to write quite a lot about his speech

B. Answer these questions.

- -1 What did George's boss ask him to do one day?
- -2 What did George answer?
- -3 What happened at the meeting?
- -4 What did boss do then George returned to office?

Hossein Chehre - 5th semester of radiology

Mohaddeseh Taherboor - 3rd semester

Mohaddeseh Taherpoor - 3rd semester of radiology



The Enigma

MohammadReza Amini - 3rd semester of medical laboratory sciences



Introduction:

The Enigma is a cipher machine which was invented by the German engineer Arthur Scherbius at the end of world war I. It had some wheels and rotors to transform the words to dumb codes. So if you know the correct setting of this machine, you can figure out the codes. Around December 1932, The polish cryptologist and mathematician Marian Rejewski and his colleagues succeeded to break the early models of enigma. 6 years later Rejewski designed the "Bomba". Bomba was an electro-mechanical device to help decipher Enigma machine. As times went on the technology of enigma became more and more complex. In 1938 Germans added two more rotors and that made it impossible for polish cryptologist and Bomba to break new German cipher machines. Thereafter, Germans used Enigma for all major communications during the WWII. On 26 and 27 July 1939, in Pyry near Warsaw, the Poles initiated French and British military intelligence representatives into their Enigma-decryption techniques and equipment, including Rejewski sheets and the cryptologic bomb(Bomba), and promised each delegation a Polish-reconstructed Enigma. That conference was held only a month before invading Germany to Poland and that was a great aid to the Allied during the war. From this beginning the British Government Code and Cypher School (GC&CS) organized several groups of codebreakers at Bletchley Park.



Bletchley Park:

Bletchley Park Located in Milton Keynes, Buckinghamshire, England UK. It was the central site for British codebreakers during World War II. This park contained several parts but the huts 8&6 were the most important segments. Hut 6 was a section in GC&CS at Bletchley Park tasked with solving German Air force (Luftwaffe) and Army (Wehrmacht) massages. In addition, but 8 did the same things but in order to break German Navy (Kriegsmarine) Enigma. The enigma machine which was used by Kriegsmarine was more Complicated with more wheels and rotors. The naval enigma had 159 million million million possible settings. The Hut8 should find the correct setting to break enigma within 24 hours because Germans were changing settings every single day!! Only after a few month hut 6 became successful to break Enigma. Luftwaffe massages were the first to be read in quaintly. The German navy had much tighter procedures. As the Hut 8 group was becoming more and more disappointed, a young and genius mathematician was making his own progress lonely and with a different method.

Who was he?!

Allen Touring (23 June 7 – 1912 June 1954). The -27 year-old English mathematician and professor of King's College, Cambridge University. On 4 September 1939, the day after the UK declared war on Germany, he reported to Bletchley Park. When his team players at hut8 were trying to solve the codes by analyzing the frequency of letter distribution he was designing a machine that will allow them to break every massage every day instantly. Touring thought Enigma was an extremely well-designed machine and his fellow's problem was that they were only using men to try to beat it. So the difference between him and his fellows was increasing. Finally, his colleagues refused to work with him and they filed a formal complaint. After that Touring wrote a letter to the prime minister of UK, Winston Churchill. Churchill was impressed by that letter and put Allen in charge of Hut8. Thenceforward their main task became to build "Bombe".

Machines battle!

Bombe was inspired by an old polish code machine(Bomba). Only this one was infinitely more advanced. The bombe was designed to discover the right daily settings of the Enigma machines among 18^10*159 possibilities. Actually Touring's group was not at war with naval Enigma, they were at war with the clock! Britain literally starving to death. The Americans sent over 100,000 tons of food every week, and every week Germans would send their desperately bread to the bottom of Atlantic Ocean. These growing difficulties was a huge pressure for Hut8. In 1941 the Bombe was installed, but it wasn't fast enough to break enigma. Commander Denniston (operational head of GC&CS) gave the hut8 only a month to increase the machine capability and gain the results that they needed. Nonetheless the team succeeded to discover the solution merely a few days before completing the deadline. Touring's group hide their achievement even from Denniston, and shared it with MI6. MI6 named the codes "Ultra"; concealing it from all of the military forces, in order to intercept Germans to discover that Allies have broken the Enigma. Hut8 calculated to decide to leaking or ignoring the informs by math and the science of statics. After that MI6 started to play its role, lying about the right source of dates, which were their jobs. Also they leaked those incorrect resources within Nazis to give them the wrong clue. All of these lead to elimination of Germans doubts. They believed that enigma was doing its duty in the best way that is possible.

New Enigma and new Bombe

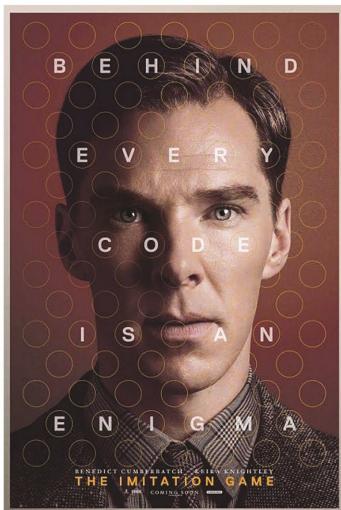
In February 1942, the German navy introduced "Triton", a version of Enigma with a fourth rotor for messages; these became unreadable for a period of ten months during a crucial period.

A few months later Turing travelled to the United States and worked with US Navy cryptanalysts on the naval Enigma and bombe construction in Washington. In that period Britain produced modified bombes, but it was the success of the US Navy bombe that was the main source of reading messages from this version of Enigma for the rest of the war.

Overall

Historians estimate that breaking enigma shorted the war by more than 2 years, saving over 14 million lives. All of these shows the importance and the value of what Turing did. In the rest of his short life he worked on Turing machine. The existence development of current computers owes to him and his theories, including Turing machine.

Eventually, personally I strongly advise you to certainly watch the adopted movie, helping you to recognize well and deeply.



The Imitation Game

The Imitation Game was a successful adopted movie from Allen Touring and Enigma story. The movie released on August 2014,29 with -14million-dollar budget, and have sold about 230\$ million in box office. It stars Benedict Cumberbatch as Touring and directed by Morten Tyldum. It was admired by critics and people rating 10/8 in IMDb and %91 in Rotten Tomatoes.



